Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

No. 1st & Final bill (For Other Works) Date.....20.....

Division: Yelahanka. Sub Division: Yelahanka.

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.....

Name of Work: Drilling of borewells erection of pumpset, laying of pipeline and construction of water tank (GLR) in Ward no.05

Job Code No: 005-20-000115 P1878 **Est. cost:100.00 lakhs**

Name of Contractor and Full Address : M/S Jathin Infra Pvt Ltd, Bangalore.

Work Order No: **EE (Project)/YNK Zone/W.O/78/2020-21, Dated : 17-08-2020**

Certified that the measurements were taken by me on 8/11/21 and recorded in pages 421883-421892 of measurement Book No 4/19-20(4214) and that the work is satisfactorily executed.

For MSJATHIN INFRA PRIVATE LIMITED

Contractor **Officer-in-charge of work**

Certified that the measurements were taken by me on 8/11/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Authorised Signatory

Asst. Executive Engineer
Project Division

If Memorandum of Payment **Sub-Division Officer**

1) Total value of work done or supplies made as per account within — Gross Bill Rs. 10326290.00
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in Balance — SEWT, Sanitation @ 2% — 206525.00
4) Deduct Payment : — Deduct IT — 103463.00
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No..... — CESS — 10346.00
   Amount adjusted towards cash advance recovery of — CGST — 92378.00
   b) Payments cost store or other materials supplied. — SGST — 92378.00
   Now made recovery of amount creditable to this/other work — Royalty — 83410.00
   Amount paid on this bill Cheque/Cash — Total deduction — 588900.00
5) Balance being unpaid value of work done held in reserve — Net payable — 9757390.00
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied

For MSJATHIN INFRA PRIVATE LIMITED

Contractor's Signature

Received Rs.....(in words)

By Cash and by adjustment of Payment as per memorandum.

Authorised Signatory

Witnesses : (For use in the Office)

1.

2.

Audited & Admitted for Rs. Rs 10346290/-

For MSJATHIN INFRA PRIVATE LIMITED

Dated.....Signature of Contractor

Rs 9757390/- by Cheque and Rs. 588900/- by Adjustment

Authorised Signatory

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P.

Initials of Officer Making Payment **Executive Engineer**

Name of Work: Drilling of borewells erection of pumpset, laying of pipeline and construction of water tank (GLR) in Ward no.05

ABSTRACT

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Rate	Qty	Rate	Amount	Qty	Amount
1	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods complete as per specification in hard soil .As per the Directions of the Engineer in	Cum	1493.15	339.00	506180.00	_	_	1493.15	339.00	506180.00	1493.15	506180.00
	Above 125%	Cum	186.39	339.00	63187.00	-	-	185.63	339.00	62929.00	185.63	62929.00
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. As per the Directions of the Engineer in Charge	Cum	94.22	2754.00	259493.00	_	_	94.22	2754.00	259493.00	94.22	259493.00
3	KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. As per the Directions of the Engineer in Charge	cum	47.11	2336.00	110054.00	_	_	47.11	2336.00	110054.00	47.11	110054.00
4	Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, Surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification As per the Directions of the Engineer in Charge	Sqm	157.04	120.00	18845.00	_	_	157.04	120.00	18845.00	157.04	18845.00
5	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. SpecificationAs per the Directions of the Engineer in Charge	Cum	81.04	5785.00	468830.00	_	_	81.04	5785.00	468830.00	81.04	468830.00
	Above 125%	Cum	35.62	5785.00	206047.00	-	-	35.62	5785.00	206047.00	35.62	206047.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification As per the Directions of the Engineer	Cum	358.30	6417.00	2299189.00	_	_	358.29	6417.00	2299173.00	358.29	2299173.00
7	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.As per the Directions of the Engineer in Charge	Cum	2.61	6681.00	17423.00	_	_	2.61	6681.00	17423.00	2.61	17423.00
8	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.As per the Directions of the	Sqm	467.59	293.00	137004.00	_	_	467.58	293.00	137001.00	467.58	137001.00
9	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.As per the Directions of the Engineer in Charge	Sqm	105.30	517.00	54441.00	_	_	105.30	517.00	54441.00	105.30	54441.00
10	KSRB 4-6.8 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beams haunchings, cantilever, girders, bressumers and lintels exceeding 1m in depth including cost of all materials, labour complete as per specifications.As per the Directions of the Engineer in Charge	Sqm	108.21	331.00	35817.00	_	_	108.21	331.00	35818.00	108.21	35818.00
11	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.As per the Directions of the Engineer in Charge	Sqm	120.89	499.00	60325.00	_	_	120.89	499.00	60325.00	120.89	60325.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
12	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.As per the Directions of the Engineer in Charge	Sqm	34.41	1081.00	37198.00	_	_	34.41	1081.00	37198.00	34.41	37198.00
13	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. As per the Directions of the Engineer in Charge	Tonne	31.85	80468.00	2562617.00	_	_	31.85	80468.00	2562728.00	31.85	2562728.00
14	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. Including cost of all labour complete as per specifications.As per the Directions of the Engineer in Charge	Cum	109.13	228.00	24881.00	_	_	109.13	228.00	24881.00	109.13	24881.00
	Above 125%	Cum	200.68	228.00	45756.00	-	-	200.68	228.00	45756.00	200.68	45756.00
15	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry incluing rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. As per the Directions of the Engineer in Charge	Sqm	125.54	296.00	37159.00	_	_	125.54	296.00	37159.00	125.54	37159.00
16	KSRB 15-3.14: Providing 12mm thick cement plaster in single coat with cement mortar 1:4 (with lime rendering) to ceiling inclunding & rounded off corners wherever required smooth rendering Providing & removing scaffolding, including cost of materials, labour curing complete as per specification As per the Directions of the Engineer in Charge	Sqm	61.25	255.00	15619.00	_	_	61.25	255.00	15619.00	61.25	15619.00
	Above 125%	Sqm	131.86	255.00	33625.00	-	-	131.86	255.00	33625.00	131.86	33625.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
17	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. As per the Directions of the Engineer in Charge	Sqm	81.74	116.00	9482.00	–	–	81.74	116.00	9482.00	81.74	9482.00
18	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @ 0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification As per the Directions of the Engineer in Charge	Sqm	520.12	596.00	309992.00	–	–	520.12	596.00	309992.00	520.12	309992.00
19	KSRB 9.4-3 : Providing Mathi / Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. As per the Directions of the Engineer in Charge	Cum	0.13	71897.00	9221.00	–	–	0.13	71897.00	9221.00	0.13	9221.00
20	KSRB 9.5-3 : Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification As per the Directions of the Engineer in Charge	Sqm	3.18	4735.00	15058.00	–	–	3.18	4735.00	15058.00	3.18	15058.00
21	KSRB 9-27.1 : Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.As per the Directions of the Engineer in Charge	Sqm	1.00	1549.00	1549.00	–	–	1.00	1549.00	1549.00	1.00	1549.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
22	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. As per the Directions of the Engineer in Charge	Kg	22.68	108.00	2450.00	–	–	22.68	108.00	2450.00	22.68	2450.00
23	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A Materials a) Short point up to 3Mtr from tapping point to out let via switch GROUP A As per the Directions of the Engineer in Charge	Each	5.00	183.00	915.00	–	–	5.00	183.00	915.00	5.00	915.00
24	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A Materials b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch GROUP A As per the Directions of the Engineer in Charge	Each	2.00	257.00	514.00	–	–	2.00	257.00	514.00	2.00	514.00
25	Supplying and mounting 2 Nos. of 2 way 6 amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flush mounted wooden box and wiring as required.(15/3.2) As per the Directions of the Engineer in Charge	Each	5.00	180.00	900.00	–	–	1.00	180.00	180.00	1.00	180.00
26	Supplying 6A flush type socket and 6 amps flush type SP switch either flush mounting in a existing in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required.(15/3.1) b) 6Amps 3/5 way switch socket.As per the Directions of the Engineer in Charge	Each	2.00	157.00	314.00	–	–	2.00	157.00	314.00	2.00	314.00
27	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required.(47/6.16) 5-32Amps SPN Group 'A' As per the Directions of the Engineer in Charge	Each	1.00	439.00	439.00	–	–	1.00	439.00	439.00	1.00	439.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
28	Supplying of 2'x2' LED recessed liminaire with 36 Watts system wattage. Housing Shall be with pressure die cast aliminum alloy with corrosion proof resistant polyester power coated. Drive operates with voltage range from 100V to 270V 50/60Hz with short circuit, overload and mis-wiring protection. Lumen Maintenance of 70% at 70% at 500000 Hrs. injuction moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction Temperature shall be <70 degree Celsius. Driver is on constant current driver @ 0.06A with PF >0.92 with line voltage @ 220-240V 50/60Hz, driver efficiency > 85% & THD< 15%, LED Efficiency > 130 im/W at 1W & Fixture Efficiency > 75im/w with CRI > 75 with	Each	4.00	8653.00	34612.00	_	_	4.00	8653.00	34612.00	4.00	34612.00
29	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class.(55/7.4) Class 'A' PVC Cable 3.5 core 25 sqmm As per the Directions of the Engineer in Charge	Mtrs.	9.70	690.00	6693.00	_	_	9.70	690.00	6693.00	9.70	6693.00
30	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating etc., complete.As per the Directions of the Engineer in Charge	Mtrs.	9.70	82.00	796.00	_	_	9.70	82.00	796.00	9.70	796.00
31	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,	Each	1.00	3956.00	3956.00	_	_	1.00	3956.00	3956.00	1.00	3956.00
32	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) As per the Directions of the Engineer in Charge. 0 to 50 m	Rmt	50.00	364.00	18200.00	_	_	50.00	364.00	18200.00	50.00	18200.00
33	50 to 100 m	Rmt	50.00	464.00	23200.00	_	_	50.00	464.00	23200.00	50.00	23200.00
34	100 to 150 m	Rmt	50.00	476.00	23800.00	_	_	50.00	476.00	23800.00	50.00	23800.00
35	150 to 200 m	Rmt	50.00	563.00	28150.00	_	_	50.00	563.00	28150.00	50.00	28150.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
36	200 to 250 m	Rmt	50.00	666.00	33300.00	_	_	50.00	666.00	33300.00	50.00	33300.00
37	250 to 300 m	Rmt	50.00	735.00	36750.00	_	_	50.00	735.00	36750.00	50.00	36750.00
38	300 to 350 m	Rmt	48.00	866.00	41568.00	_	_	48.00	866.00	41568.00	48.00	41568.00
39	350 to 400 m	Rmt	0.00	945.00	0.00	_	_	0.00	945.00	0.00	0.00	0.00
40	400 to 450 m	Rmt	0.00	1185.00	0.00	_	_	0.00	1185.00	0.00	0.00	0.00
41	Providing and fixing 180mm dia PVC Pipe 10kg/sqcm (casing pipe) (page no.XXXV, SL no.889, 3005) As per the Directions of the Engineer in Charge	Rmt	14.00	1614.00	22596.00	_	_	14.00	1614.00	22596.00	14.00	22596.00
42	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty.As per the Directions of the Engineer in Charge	Rmt	37.50	1391.00	52163.00	_	_	37.50	1391.00	52163.00	37.50	52163.00
	Above 125%	Rmt	32.50	1391.00	45208.00	-	-	32.50	1391.00	45208.00	32.50	45208.00
43	Providing 175mm dia Bore Cap CE (M) As per the Directions of the	No	1.00	105.00	105.00	_	_	1.00	105.00	105.00	1.00	105.00
44	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage)As per the Directions of the Engineer in Charge	No	1.00	67972.00	67972.00	_	_	1.00	67972.00	67972.00	1.00	67972.00
45	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. As per the Directions of the Engineer in Charge	Rmt	250.00	440.00	110000.00	_	_	250.00	440.00	110000.00	250.00	110000.00
46	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm (PWD Ele SR 2019-20,P-7/It-2.6)	Rmt	428.60	147.00	63005.00	_	_	428.60	147.00	63005.00	428.60	63005.00
47	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.As per the Directions of the Engineer in Charge	No	1.00	1439.00	1439.00	_	_	1.00	1439.00	1439.00	1.00	1439.00
48	Spplying and fixing 50mm GI Union.As per the Directions of the Engineer in Charge	No	1.00	235.00	235.00	_	_	1.00	235.00	235.00	1.00	235.00
49	Spplying and fixing 50mm GI Elbow.As per the Directions of the Engineer in Charge	No	1.00	117.00	117.00	_	_	1.00	117.00	117.00	1.00	117.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
50	Spplying and fixing 50mm GI Nipple.As per the Directions of the Engineer in Charge	No	1.00	110.00	110.00	_	_	1.00	110.00	110.00	1.00	110.00
51	Spplying and fixing 50mm GI Hose colleres As per the Directions of the Engineer in Charge	No	64.00	108.00	6912.00	_	_	42.00	108.00	4536.00	42.00	4536.00
52	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., As per the Directions of the Engineer in Charge	No	1.00	307.00	307.00	_	_	1.00	307.00	307.00	1.00	307.00
53	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.As per the Directions of the Engineer in Charge	No	1.00	759.00	759.00	_	_	1.00	759.00	759.00	1.00	759.00
54	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps As per the Directions of the Engineer in Charge	Each	1.00	1134.00	1134.00	_	_	1.00	1134.00	1134.00	1.00	1134.00
55	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC as per the Directions of the Engineer in Charge	Each	1.00	271.00	271.00	_	_	1.00	271.00	271.00	1.00	271.00
56	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP as per the Directions of the Engineer in Charge	No	1.00	6719.00	6719.00	_	_	1.00	6719.00	6719.00	1.00	6719.00
57	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.As per the Directions of the Engineer in Charge	No	1.00	469.00	469.00	_	_	1.00	469.00	469.00	1.00	469.00
58	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm as per the Directions of the Engineer in Charge	Mtrs	6.40	47.00	301.00	_	_	6.40	47.00	301.00	6.40	301.00
59	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery as per the Directions of the Engineer in Charge	Each	1.00	420.00	420.00	_	_	1.00	420.00	420.00	1.00	420.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
60	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia as per the Directions of the Engineer in Charge	No	1.00	3149.00	3149.00	_	_	1.00	3149.00	3149.00	1.00	3149.00
61	Digging of trench of 0.6mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete as per the Directions of the Engineer in Charge	Mtrs	7.20	107.00	771.00	_	_	7.20	107.00	771.00	7.20	771.00
62	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm As per the Directions of the Engineer in Charge	Mtrs	7.20	100.00	720.00	_	_	7.20	100.00	720.00	7.20	720.00
63	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm As per the Directions of the Engineer in Charge	No	14.00	12.00	168.00	_	_	14.00	12.00	168.00	14.00	168.00
64	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm As per the Directions of the Engineer in Charge	Rmt	1.50	352.00	528.00	_	_	1.50	352.00	528.00	1.50	528.00
65	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications. As per the Directions of the Engineer in Charge	No	1.00	283.00	283.00	_	_	1.00	283.00	283.00	1.00	283.00
66	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amp As per the Directions of the Engineer in Charge	No	3.00	143.00	429.00	_	_	3.00	143.00	429.00	3.00	429.00
67	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. As per the Directions of the Engineer in Charge	Cum	80.28	509.00	40863.00	_	_	80.28	509.00	40863.00	80.28	40863.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
68	KSRB13-9 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.As per the Directions of the Engineer in Charge	Mtr	0.00	422.00	0.00	_	_	0.00	422.00	0.00	0.00	0.00
69	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications..As per the Directions of the Engineer in Charge	Each	2.00	548.00	1096.00	_	_	2.00	548.00	1096.00	2.00	1096.00
70	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes.As per the Directions of the Engineer in	Mtr	0.00	178.00	0.00	_	_	0.00	178.00	0.00	0.00	0.00
71	KSRB 2-4 : Refilling available around earth pipe lines,cables in layers mot exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications..As per the Directions of the Engineer in Charge	Cum	40.14	137.00	5500.00	_	_	40.14	137.00	5500.00	40.14	5500.00
72	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications..As per the Directions of the Engineer in Charge	Cum	20.07	5785.00	116105.00	_	_	20.07	5785.00	116105.00	20.07	116105.00
73	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications.As per the Directions of	Cum	20.07	6148.00	123391.00	_	_	20.07	6148.00	123391.00	20.07	123391.00
74	KSRB 2-4 : Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications..As per the Directions of the Engineer in Charge	Each	2.00	1972.00	3944.00	_	_	2.00	1972.00	3944.00	2.00	3944.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
75	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads	Each	1.00	160.00	160.00	_	_	1.00	160.00	160.00	1.00	160.00
76	Submersible Three Phase 6 inch/150mm-20HP/15kW- Stage-	Unit	1.00	101080.00	101080.00	_	_	1.00	101080.00	101080.00	1.00	101080.00
77	G.I. Pipe 100 mm dia B classAs per the Directions of the Engineer	m	37.50	980.00	36750.00	_	_	37.50	980.00	36750.00	37.50	36750.00
78	BESCOM deposit Charges and miscellaneous As per the	No	1.00	12599.00	12599.00	_	_	1.00	12599.00	12599.00	1.00	12599.00
	EIRL											
E1	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer	Sqm	283.95	2453.62	696705.00			283.95	2453.62	696705.00	283.95	696705.00
E2	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading,	Sqm	16.20	5688.36	92152.00			16.20	5688.36	92152.00	16.20	92152.00
E3	Supplying PVC ring tight pipes conformin to IS 4980 :2000 With latest amendments and conveying to work site rolling and lowering into trenches laying true line level and prefect linking at joints testing and commissoning incuding loading and un loading at both destinations and cuts of pipes wherever neccessary including joints of PVC pipes and specificals (excluding cost of pipes)with jointing of approvel type with all labour with all lead and lift incuding encasing the pipe alround to adepth of not less then 15cms with soft gravel or selected earth availble from the excavation etc.., completed and giving necessary hydralic test to the required pressure as per IS (Contractor will make his own arrangement for procuring water for testing) BWSSB SR 2018-19) 63mm outer dia, 6kg/sqcm & class 5	Mtr	223.00	128.09	28564.00			223.00	128.09	28564.00	223.00	28564.00
	Total				9240748.00					9237487.00		9237487.00
	GST 12%				1108890.00					1108499.00		1108499.00
	Grand Total				10349638.00					10345986.00		10345986.00

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

NEWZEN CONSULTANT Bangalore

Consultant

Asst. Engineer

A.E.E. (Project)

Asst. Executive Engineer